

101573596

PATENT ~~APRÉSENTATION~~ APRIL 2006

INSTITUT FRANÇAIS DU PETROLE

OIL WELL CEMENTING SLURRY

Inventor : Eric LECOLIER, Alain RIVEREAU, Annie AUDIBERT

ABSTRACT

The invention relates to a high-performance cement comprising an aluminic cement with an aluminium content of at least more than 30%; microsilica with a grain size of 0.1 - 20 µm whereby the percentage thereof is 35 % less by weight in comparison with the weight of the cement; mineral particles with a grain size of 0.5 – 500 µm whereby the percentage thereof is 35% less by weight in comparison with the weight of the cement, the percentage of said particles being less than that of the microsilica; a water-soluble polymer fluidifying agent whereby the percentage thereof is 0.2 3.0% in comparison with the weight of the cement; a retarding agent which is used to control the setting time of the slurry; an amount of water the maximum thereof corresponding to 40 % in relation to the cement.